

Features of our **GREEN SCHOOL** P. 6

ENERGY SAVING Features:

- With the use of the following energy saving measures our school achieves over **42% COST SAVINGS** over a similar building that meets minimum building compliance standards.
 - A well-insulated and sealed **BUILDING ENVELOPE**.
 - **HIGH EFFICIENCY BOILERS** that operate at lower temperatures when minimal heating is required.
 - In-floor hot water **RADIANT HEATING** coupled with a **DISPLACEMENT VENTILATION** system in classroom areas that provides an efficient, comfortable, and healthy indoor environment.
 - Electric lights use a large amount of energy. Extensive **DAYLIGHTING** is provided by daylight windows equipped with interior light shelves that reflect sunlight up to the ceiling and fabric roller shades that adjust automatically to keep direct sunlight from entering classrooms. Electric lights are equipped with photo sensors that measure sunlight and dimmers that control output to provide the correct light level. Skylights provide daylight in corridors, the gymnasiums and vocational shop areas. These areas also are equipped with photo sensors that automatically turn off the lights. See [photos](#).
 - Occupancy sensors that automatically turn off lights when a room isn't occupied.

- The School District and our School Design Team participated in Xcel Energy's **ENERGY DESIGN ASSISTANCE PROGRAM** that resulted in a **\$70,000 rebate** to the School District.

Insert photos:

1. Light shelf with sun shade.
2. Classroom
3. Photo sensor
4. Occupancy sensor